

INTERNATIONAL SEARCH REPORT

ntional Application No
/IB2004/002628

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q1/24 H01Q5/00 H01Q9/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 304 765 A (FILTRONIC LK OY) 23 April 2003 (2003-04-23) abstract; claims 2-6; figures 2-5,7 paragraphs '0003!, '0007!, '0011! - '0013!, '0015!, '0016!, '0020! -----	1-10
X	US 2002/126052 A1 (BOYLE KEVIN R) 12 September 2002 (2002-09-12) cited in the application paragraphs '0031!, '0039!, '0040!; figures 4,13 -----	1,4-6,9, 10
X	EP 1 128 466 A (FILTRONIC LK OY) 29 August 2001 (2001-08-29) abstract; figures 2,3,4a-4d paragraphs '0005!, '0006!, '0010!, '0011!, '0013! -----	1,3,6,8, 10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

20 October 2004

Date of mailing of the international search report

02/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Jäschke, H

Information on patent family members

/IB2004/002628

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1304765	A	23-04-2003	FI CN EP US	20012045 A 1414809 A 1304765 A2 2003076268 A1		23-04-2003 30-04-2003 23-04-2003 24-04-2003
US 2002126052	A1	12-09-2002	CN EP WO JP	1457531 T 1368855 A1 02071535 A1 2004519914 T		19-11-2003 10-12-2003 12-09-2002 02-07-2004
EP 1128466	A	29-08-2001	FI CN EP US	20000437 A 1316797 A 1128466 A2 2001048391 A1		24-08-2001 10-10-2001 29-08-2001 06-12-2001